

Unit 5 Test Review Part 1

Date _____ Period _____

Solve each equation. Remember to check for extraneous solutions.

1) $16 = 2\sqrt{p}$

- A) $\{-6\}$ B) $\{64, 9\}$
C) $\{-8\}$ D) $\{64\}$

2) $20 = \sqrt{2m} + 10$

- A) $\{-50\}$ B) $\{-50, 3\}$
C) $\{-3\}$ D) $\{50\}$

3) $-30 = -6\sqrt{25m}$

- A) $\{1, -1\}$ B) $\{-8, 1\}$
C) $\{1\}$ D) $\{-1\}$

4) $7 = \sqrt{1 - 12x}$

- A) $\{-2\}$ B) $\{-9\}$
C) $\{-4\}$ D) $\{-9, -4\}$

5) $2 - \frac{1}{3a} = \frac{2}{a}$

- A) $\{0\}$ B) $\left\{\frac{7}{6}\right\}$
C) $\left\{-\frac{7}{6}\right\}$ D) $\{1\}$

6) $\frac{6k-1}{2k^2} - \frac{1}{2k} = \frac{k+6}{k^2}$

- A) $\left\{\frac{13}{3}\right\}$ B) $\{-4\}$
C) $\left\{-\frac{4}{3}\right\}$ D) $\{-3\}$